Inventor: XIONG
Docket No.: 20016.0001USWO
Title: A BUS INTERFACE CONVERTER CAPABLE OF CONVERTING AMBA AHB BUS

PROTOCOL INTO i-960-LIKE BUS PROTOCOL Attorney Name: Michael D. Schumann

Phone No.: 612.455.3803 Sheet 1 of 6

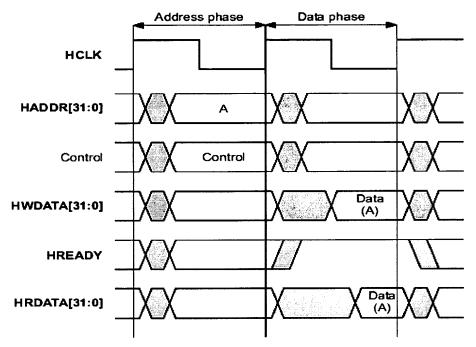


Figure 3-3 Simple transfer

FIG 1

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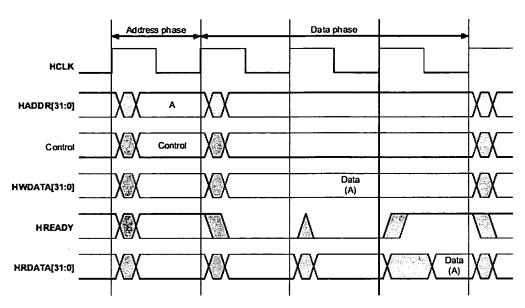


Figure 3-4 Transfer with wait states

FIG 2

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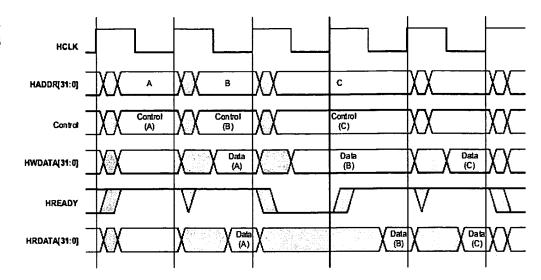


Figure 3-5 Multiple transfers

FIG 3

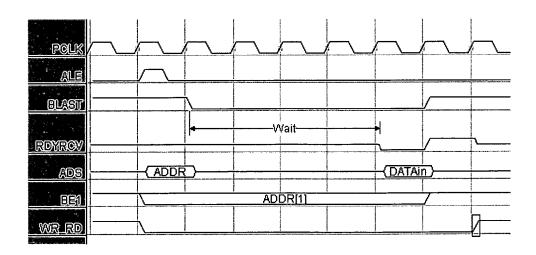
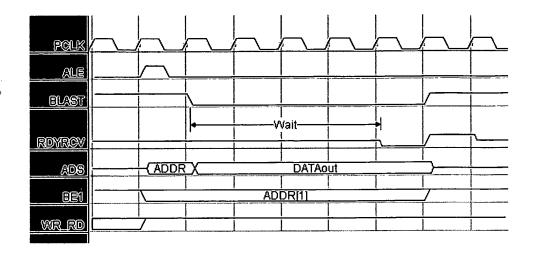


FIG 4

Inventor: XIONG
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Phone No.: 612.455.3803
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**FIG 5** 

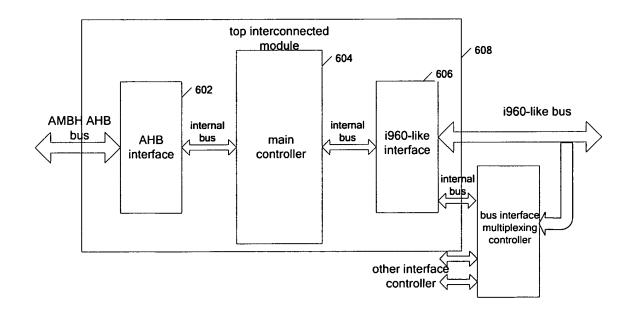


FIG 6

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write bugger

module

Attorney Name: Michael D. Schumann

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710 bus interface controll BIU\_REQ multiplexing AD\_GEN\_state request module 704 BIU\_GRANT & RCYRDV AHB bus signa( AMBH AHB response bus module AD\_GEN\_state 708 i960-like bus main controller internal bus module 702 AHB bus signal internal register module bus / 706 AHB bus bus internal multiplexing

bus

module

712

**FIG 7** 

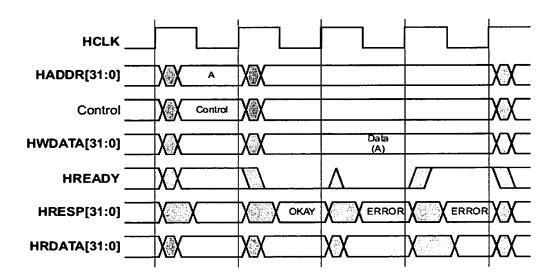


Figure 3-14 Error response

FIG8

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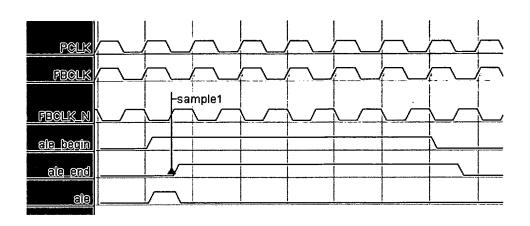
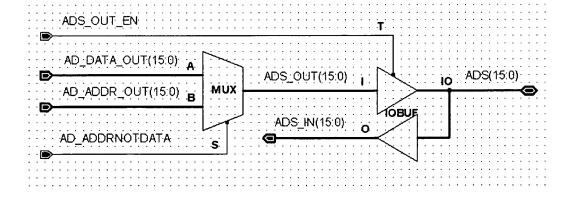


FIG9



**FIG 10**